IP Link Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Display
Manufacturer: Zenith
Firmware Version: N/A
Model(s): P60W38, P60W38H, P50W38, P50W38H, P42W34P

Version History:

Driver Version	Date	IP Link Compiler	IP Link Firmware	GVC Version	Notes
4	1/20/05	1.0.9.3	1.06	1.5	Beta version. Added power status for System 5IP functionality.
3	8/6/2004	1.0.9.3	1.04	1.3	Beta version. Driver format updated. Added support for Volume, Volume Mute, Low Power, On Screen Display and Picture-in-Picture controls. Added status support for new commands and Device Status. Added model P42W34P. Tested with an LG Electronics RU-42PZ90 which uses the same protocol.
2	4/8/04	1.0.9.0	1.04	1.2	Beta version. Code optimizations. Addresses only PDP with SetID = 1.
1	12/8/03	N/A	1.02	1.1	Initial beta version.

Driver Notes:

Driver is written using SET ID = 1. Use "Set ID" function to specify a monitor ID number. Refer to manufacture-supplied Owner's Manual for instructions to set the panel's ID.

There may be a delay of up to 4 seconds between the display acting on a command and status updating on the Global Viewer web page.

Avoid using the IR remote control. If the IR remote control is used and the display stops responding to the IP Link device, cycle the panel's hard power.

Control Commands & States:

Aspect Ratio	Wide Horizon	Normal	Full
Auto Image*	Auto Configure		
Input	Video DVI (Digital)	S-Video Component	RGB
Low Power	On	Off	
On Screen Display	On	Off	
PIP Input	Video DVI (Digital)	S-Video Component	RGB
PIP Position	Lower Right Upper Left	Upper Right	Lower Left
PIP/DW	Off DW2	PIP	DW1
PIP/DW Aspect Ratio	4:3	16:9	
Power	On	Off	
Video Mute	On	Off	
Volume	Range(0-100, 1 step, slider)		
Volume Mute	On	Off	

*Only applicable to RGB input.

Status Available:

Aspect Ratio**	Wide	Normal	Full
	Horizon		
Connection Status	Connected	Disconnected	
Device Status	Normal	Status Unavailable	No Input
	Off by Remote Control	Off by Sleep Timer	Off by RS232
	5V Down	AC Down	Off by Fan Alarm
	Off by Timer	Off by Auto Off	Off by AV Board Detect
Input**	Video	S-Video	RGB
	DVI (Digital)	Component	
Low Power	On	Off	
On Screen Display	On	Off	
PIP Input**	Video	S-Video	RGB
	DVI (Digital)	Component	
PIP/DW**	Off	PIP	DW1
	DW2		
PIP/DW Aspect Ratio**	4:3	16:9	
Power	On	Off	
Power Status	On	Off	Status Unavailable
Video Mute	On	Off	
Volume**	Range(0-100, 1 step, slider)		
Volume Mute	On	Off	

** Status for these controls will not be queried when the On Screen Display is ON because these queries would cause the On Screen Display to flash.

Cable and Adapter Requirements:

M/F RS-232 Null Modem Serial Cable (Extron Electronics P/N 26-435-03)
F/F Gender Changer (Extron Electronics P/N 10-438-10)

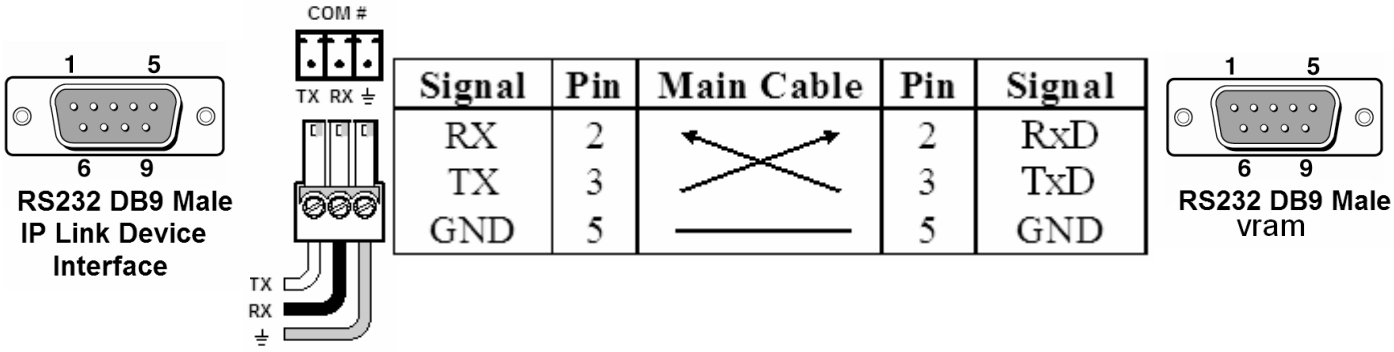
Notes for the Device:

N/A

Serial communication:

Port Type:	RS-232 9-pin D, Male	**Parity:**	None
Baud Rate:	115200	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Signal	Pin	Main Cable	Pin	Signal
RX	2		2	RxD
TX	3		3	TxD
GND	5		5	GND

Note: Captive screw connector may also be used as a serial connection.

General Notes:

N/A